

AMENDMENTS TO THE CLAIMS

1-22. (cancelled)

5 23. (currently amended): A light emitting diode having an
adhesive layer and a reflective layer, comprising at least:
a substrate;
a reflective layer formed over the substrate;
a first reaction layer formed over said reflective layer;
10 a transparent adhesive layer formed over said first
reaction layer;
a second reaction layer formed over said transparent
adhesive layer;
and an LED stack formed over said second reaction layer;
15 wherein at least one of the first and second reaction layers
is formed to enhance an adhesion provided by the transparent
adhesive layer.

20 24. (original): A light emitting diode having an adhesive layer
and a reflective layer according to claim 23, further
comprising a transparent conductive layer between said
second reaction layer and said LED stack.

25 25. (original): A light emitting diode having an adhesive layer
and a reflective layer according to claim 23, wherein said
reflective layer is a reflective metal layer.

26. (cancelled)

30 27. (previously presented): A light emitting diode having an
adhesive layer and a reflective layer according to claim
25, wherein said reflective metal layer comprises at least

a material selected from the group consisting of In, Sn, Al, Au, Pt, Zn, Ag, Ti, Pb, Pd, Ge, Cu, AuBe, AuGe, Ni, PbSn, and AuZn.

5 28. (cancelled)

29. (previously presented): A light emitting diode having an adhesive layer and a reflective layer according to claim 23, wherein said transparent adhesive layer comprises at
10 least a material selected from the group consisting of polyimide (PI), benzocyclobutene (BCB), and perfluorocyclobutane (PFCB).

30. (previously presented): A light emitting diode having an
15 adhesive layer and a reflective layer according to claim 23, wherein said first reaction layer or said second reaction layer comprises at least a material selected from the group consisting of SiNx, Ti, and Cr.

20 31-43. (cancelled)

44. (currently amended): A light emitting diode having an adhesive layer and a reflective layer, comprising at least:
a reflective means;
25 a first reaction layer formed over said reflective means;
a transparent adhesive layer formed over said first reaction layer;
a second reaction layer formed over said transparent adhesive layer; and
30 an LED stack formed over said second reaction layer;
wherein ~~at least one~~ the first and second reaction layers
~~is formed to enhance an~~ adhesion provided by the transparent

adhesive layer.

45. (new): A light emitting diode having an adhesive layer and a reflective layer, comprising at least:

- 5 a substrate;
 a reflective layer disposed on the substrate;
 a first reaction layer formed on said reflective layer;
 a transparent adhesive layer formed directly on said
 first reaction layer, said first reaction layer
10 adhering to the transparent adhesive layer;
 a second reaction layer formed directly on said
 transparent adhesive layer, said second reaction
 layer adhering to the transparent adhesive layer; and
 an LED stack formed over said second reaction layer.

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46. (new): A light emitting diode having an adhesive layer and a reflective layer according to claim 45, wherein bonding forces between the first reaction layer and the transparent adhesive layer and between the second reaction
20 layer and the transparent adhesive layer are greater than bonding forces between materials of the first reflective layer and the transparent adhesive layer and between materials of the LED stack and the transparent adhesive layer.

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47. (new): A light emitting diode having an adhesive layer and a reflective layer according to claim 45, further comprising a transparent conductive layer between said
30 second reaction layer and said LED stack.

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48. (new): A light emitting diode having an adhesive layer and a reflective layer according to claim 45, wherein said

reflective layer is a reflective metal layer.

49. (new): A light emitting diode having an adhesive layer
and a reflective layer according to claim 48, wherein said
5 reflective metal layer comprises at least a material
selected from the group consisting of In, Sn, Al, Au, Pt,
Zn, Ag, Ti, Pb, Pd, Ge, Cu, AuBe, AuGe, Ni, PbSn, and AuZn.
50. (new): A light emitting diode having an adhesive layer
10 and a reflective layer according to claim 45, wherein said
transparent adhesive layer comprises at least a material
selected from the group consisting of polyimide (PI),
benzocyclobutene (BCB), and perfluorocyclobutane (PFCB).
- 15 51. (new): A light emitting diode having an adhesive layer
and a reflective layer according to claim 45, wherein said
first reaction layer or said second reaction layer comprises
at least a material selected from the group consisting of
SiNx, Ti, and Cr.

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